

AD-A018 101

SPECIAL DATA COLLECTION SYSTEM EVENT REPORT -
NORTH ATLANTIC OCEAN, 26 FEBRUARY 1975

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Teledyne Geotech

Prepared for:

Advanced Research Projects Agency
Air Force Technical Applications Center

8 September 1975

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SDCS-ER-75-3



ADA018101

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September 1975

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Nuclear Monitoring Research Office

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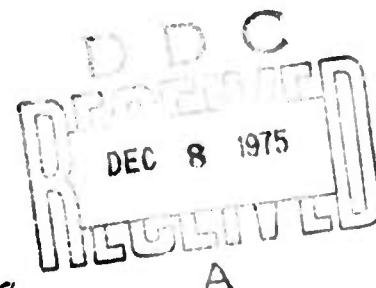
ARPA Order No. 2897

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER SDCS-ER-75-3	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) SPECIAL DATA COLLECTION SYSTEM (SDCS) North Atlantic Ocean, 26 February 1975		5. TYPE OF REPORT & PERIOD COVERED Technical
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) Woolson, J. R., Solari, D. D., Reinbold, D. J., and Markle, R. J.		8. CONTRACT OR GRANT NUMBER(s) F08606-74-C-0013
9. PERFORMING ORGANIZATION NAME AND ADDRESS Alexandria Laboratories 314 Montgomery Street Alexandria, Virginia 22314		10. PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS T/4703
11. CONTROLLING OFFICE NAME AND ADDRESS Defense Advanced Research Projects Agency Nuclear Monitoring Research Office 1400 Wilson Blvd.-Arlington, Virginia 22209		12. REPORT DATE 8 September 1975
		13. NUMBER OF PAGES 3 //
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) VELA Seismological Center 312 Montgomery Street Alexandria, Virginia 22314		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)		

SDCS Event Report No. 3

North Atlantic Ocean, 26 February 1975

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is:

	Origin Time	Latitude	Longitude	m_b	M_s
NORSAR	18:30:07	53.0N	33.0W	5.2	4.4
LASA	18:30:19	53.8N	36.5W	5.2	N/A
Hagfors Array, Sweden	N/A				

An epicenter was not calculated using the SDCS stations. The long period magnitude was calculated.

SDCS & Arrays

4.4

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response) with the exception of LASA and NORSAR short-period plots. LASA SP scaling factors are millimicrons per inch. Scaling factors are not reported for NORSAR short-period.

RK-ON and FN-WV were not operational for this event. Long- and short-period data from CPSO and long-period data from LASA were not recovered. There are good long-period signals at HN-ME and WH2YK, the short-period signals were not well defined. This condition, as well as a similar condition for other events, led to a modification of operational procedures. Times and orientation were verified as being proper for the above listed event.

STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES		ELEVATION METERS	INSTRUMENTATION	
		DEG	N N SECS		SHORT-PERIOD	LONG-PERIOD
ALPA	Alaska	65 14	00.0 N	457	None	31300
		147 44	36.0 W			
CPSO	McMinnville, Tennessee	35 35	41.4 N	574	6480 V	SL210 V
		085 34	13.5 W		7515 H	SL220 H
FN-WV	Franklin, West Virginia	38 32	58.0 N	910	KS36000	KS36000
		079 30	47.0 W			
LASA	Billings, Montana	46 41	29.0 N	744	HS10	7505A V
		106 13	20.0 W			8700C H
HN-ME	Houlton, Maine	46 09	43.0 N	213	18300	SL210 V
		067 59	09.0 W			SL220 H
NORSAR	Kjeller, Norway	60 49	25.4 N	379	HS10	7505A V
		010 49	56.5 E			8700C H
RK-ON	Red Lake, Ontario	50 50	20.0 N	366	18300	SL210 V
		093 40	20.0 W			SL220 H
WH2YK	White Horse, Yukon	60 41	41.0 N	853	18300	SL210 V
		134 58	02.0 W			SL220 H

DATA SUMMARY

Sta.	Phase	Arrival Time	Inst.	Per	A/T	Magnitude m_b M_s	Dist
HN-ME	LR	18:42:38.0	LPZ	21.0	36.5	4.01	21.4
NAO	EP	18:35:36.1	AB	1.5	58.6	5.17	26.0
	LP	18:43:41.0	LPAB	24.0	72.7	4.40	26.0
LAO	EP	18:38:19.5	AB	0.9	47.8	5.18	43.4
WH2YK	LR	18:58:48.0	LPZ	20.0	63.9	4.62	48.8
ALPA	LR	18:58:58.0	LPAB	24.0	36.0	4.38	50.3

<u>Avg. m_b</u>	<u>Sta.</u>	<u>Avg. M_s</u>	<u>Sta.</u>
5.18	2	4.35	4

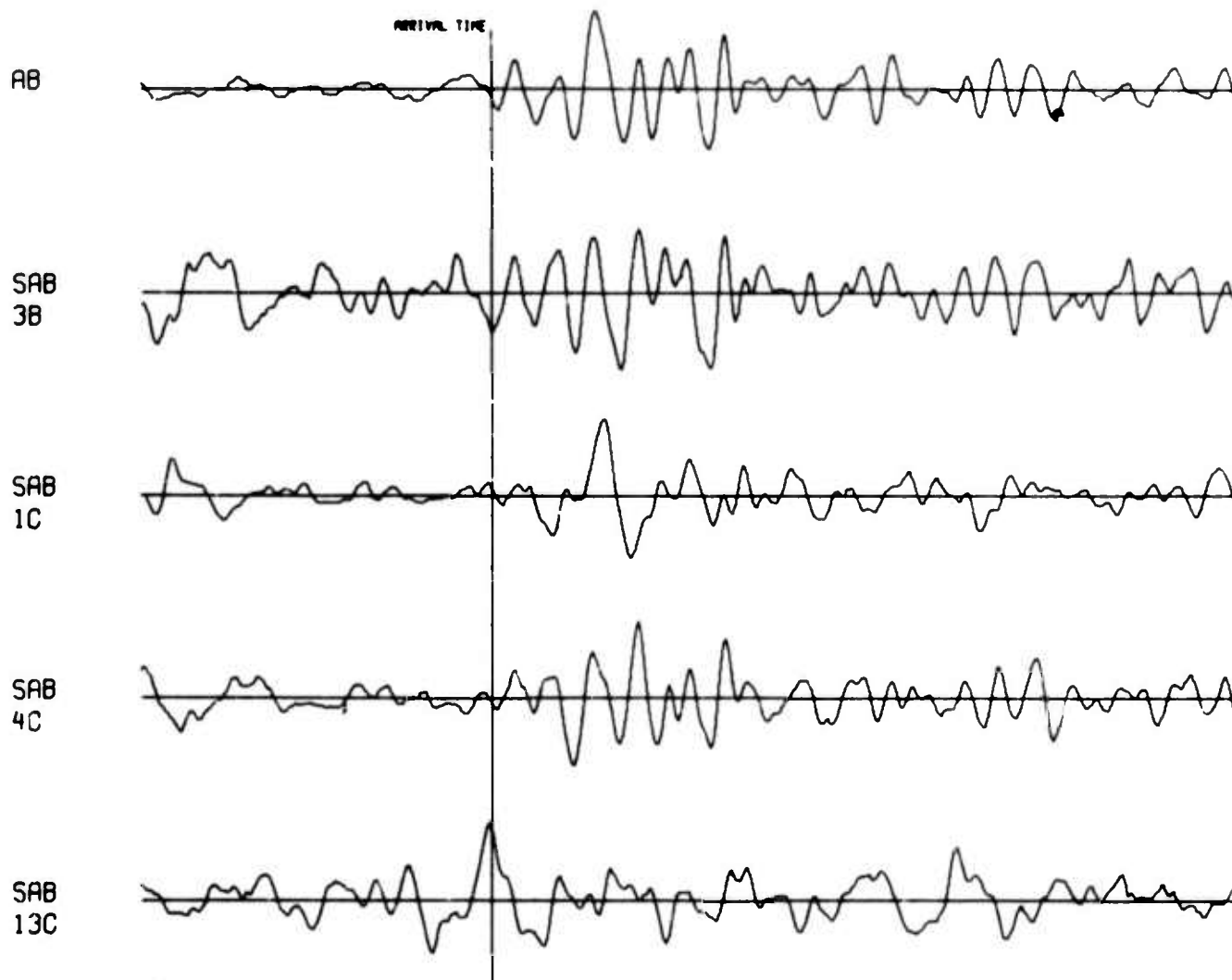
NORSAR EVENT FILE

1975 FEB 26

EPX NO. 61360 ARR. 18.35.36.1 54.5N 33.3W 3.8MB 33KM

DIST = 24.0 AZI = 274.7 AMP = 5.4 PER = 1.6 UMETH 2

— = 5 SECONDS



LASA

1 26 FEB 1975

2 18 30 19 53.8N 36.5W 33C C 5.0 402 NORTH ATLANTIC OCEAN

3 18 38 19.2 LAO P 37.1 1.3 13.8 43.6 53.8

EPX 14250

BP-B 0.6-2.0 HZ

ABN 26

18:38:9.2

AB 73

FAB 63

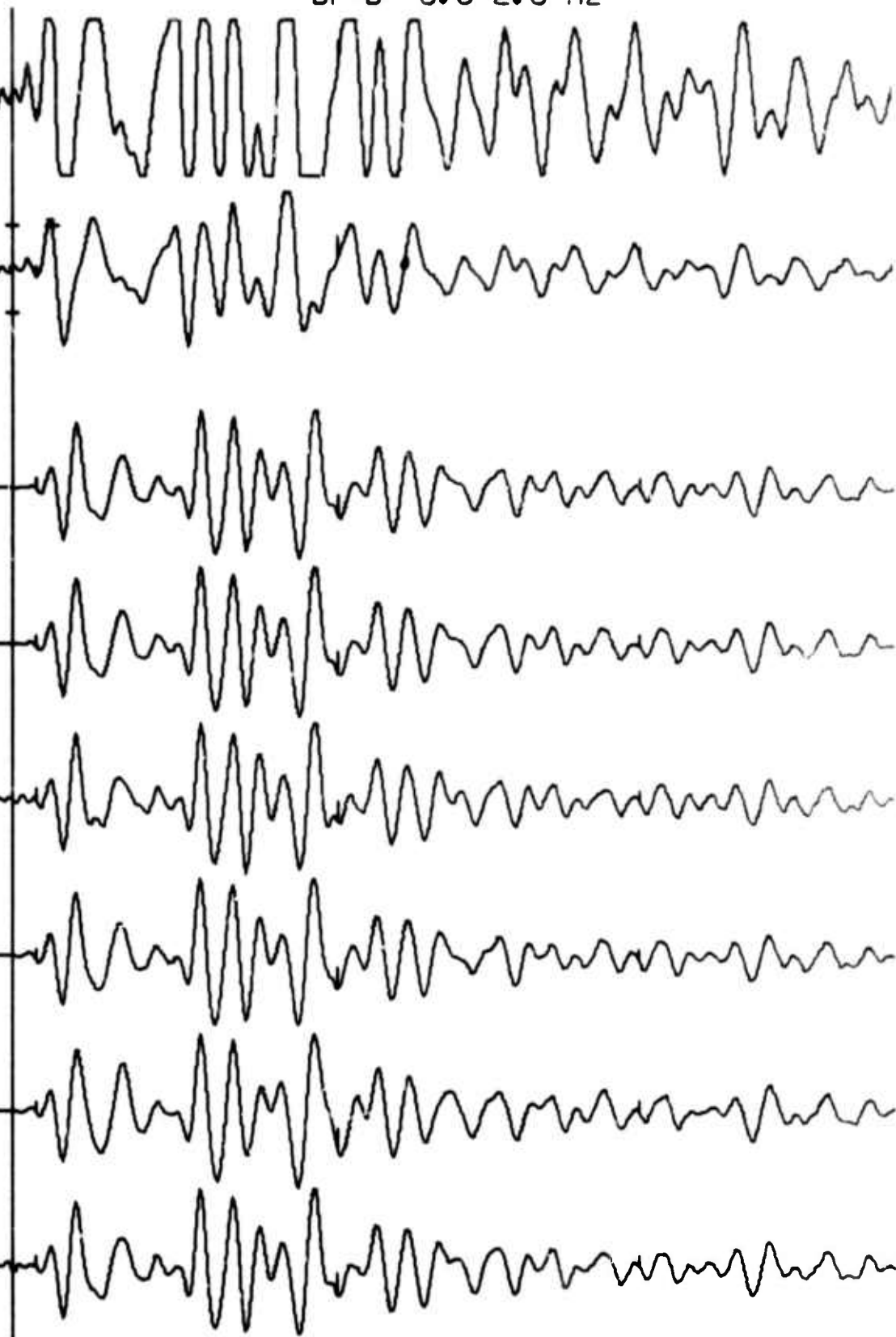
WAB 63

PAB1 74

PAB2 56

PAB3 47

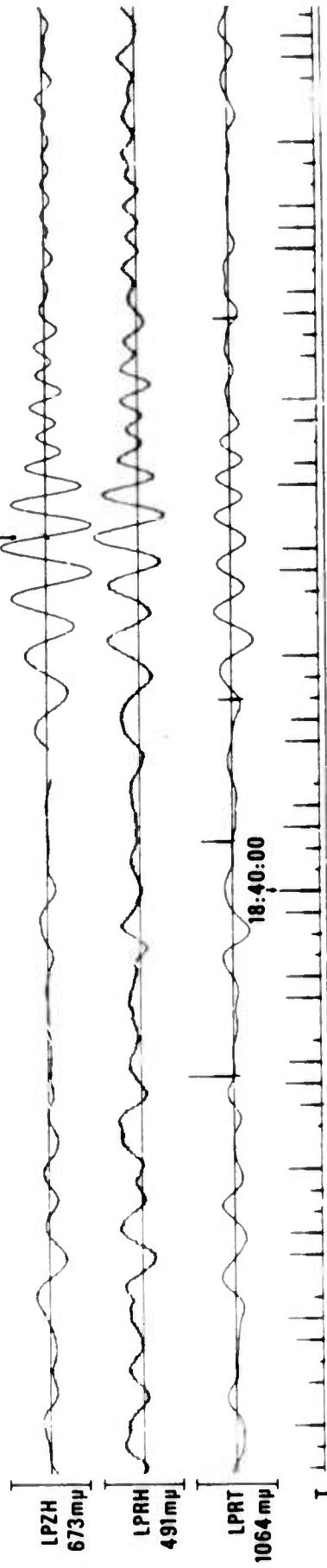
PAB4 73



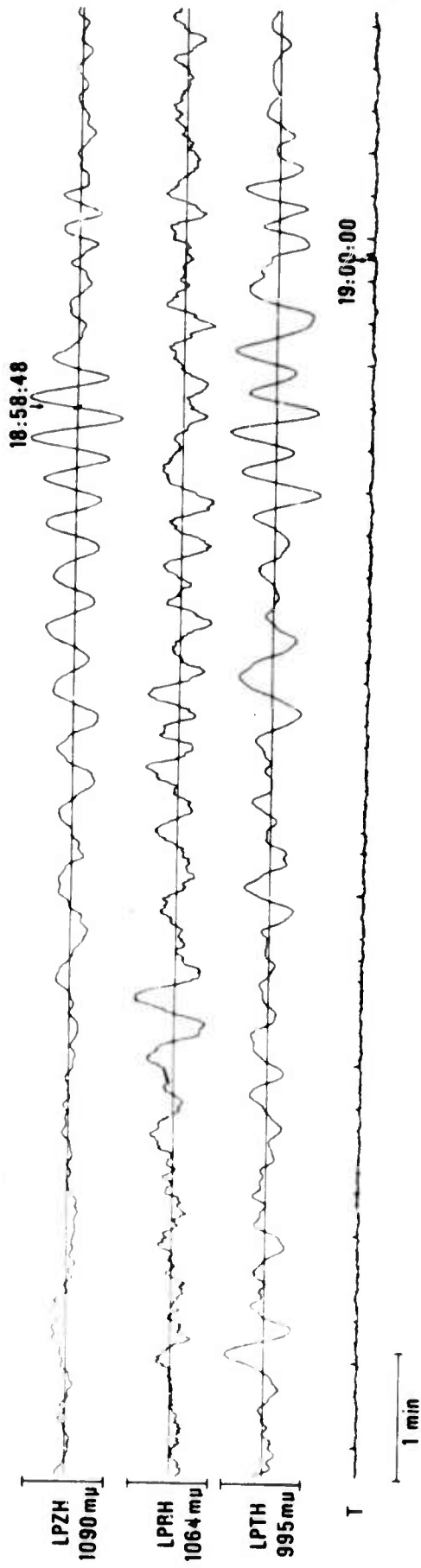
10 sec -5-

HN-ME 26 FEB 75

18:42:38



WH2YK 26 FEB 75



LP ARRAYS 26 FEB 75

NORSAR

1814 mμ

18:43:41

18:38:36

18:58:00

ALPA

892 mμ

18:58:58

18:51:04

19:11:00

1 min

- 2 -